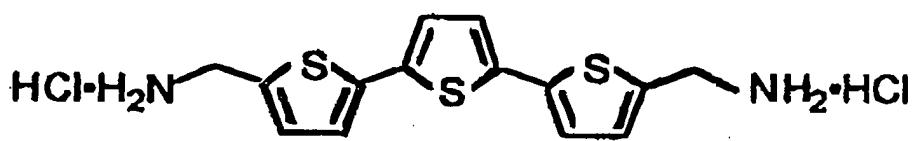


NO. 1054 P. 42/54  
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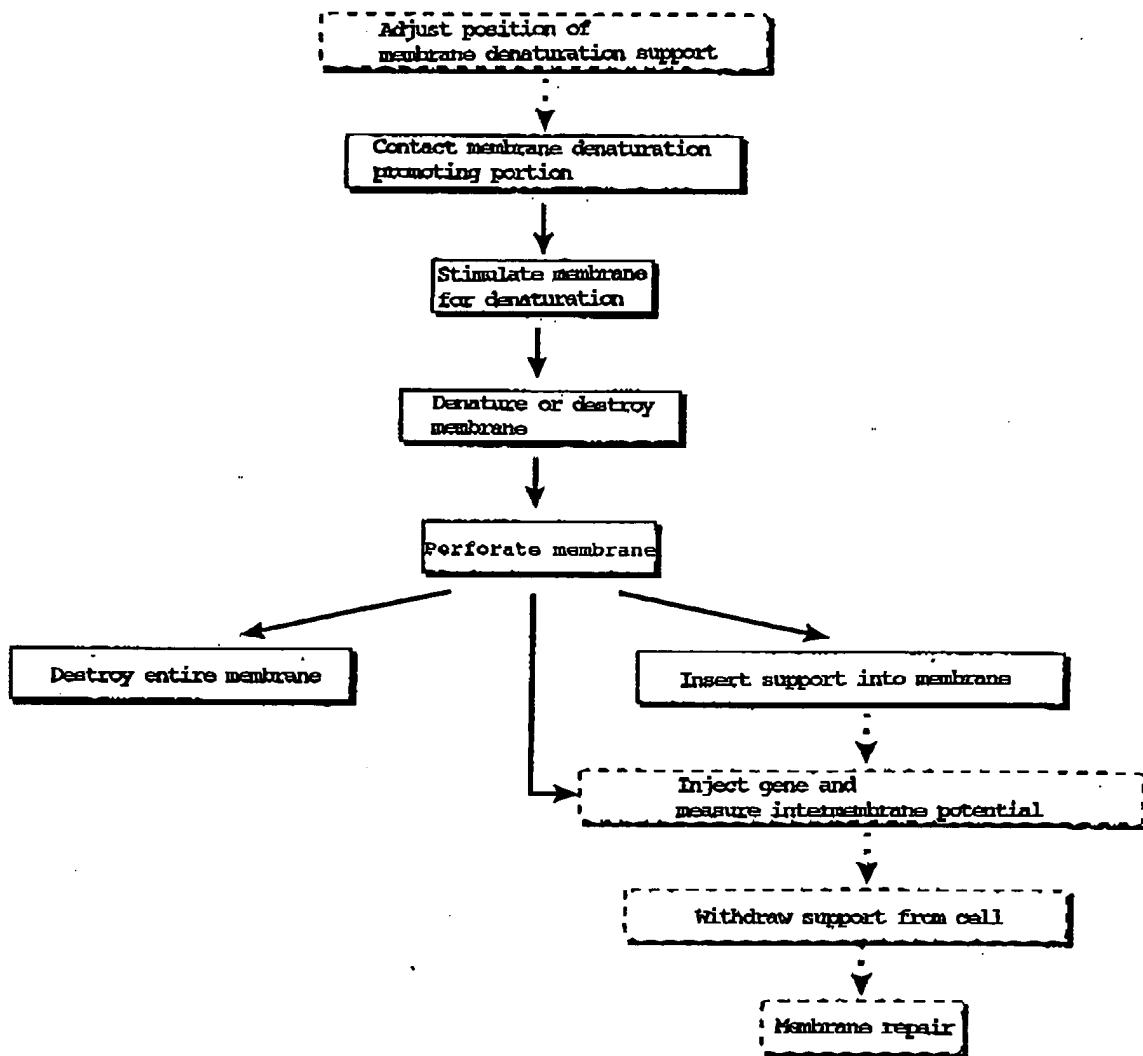
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Figure 1



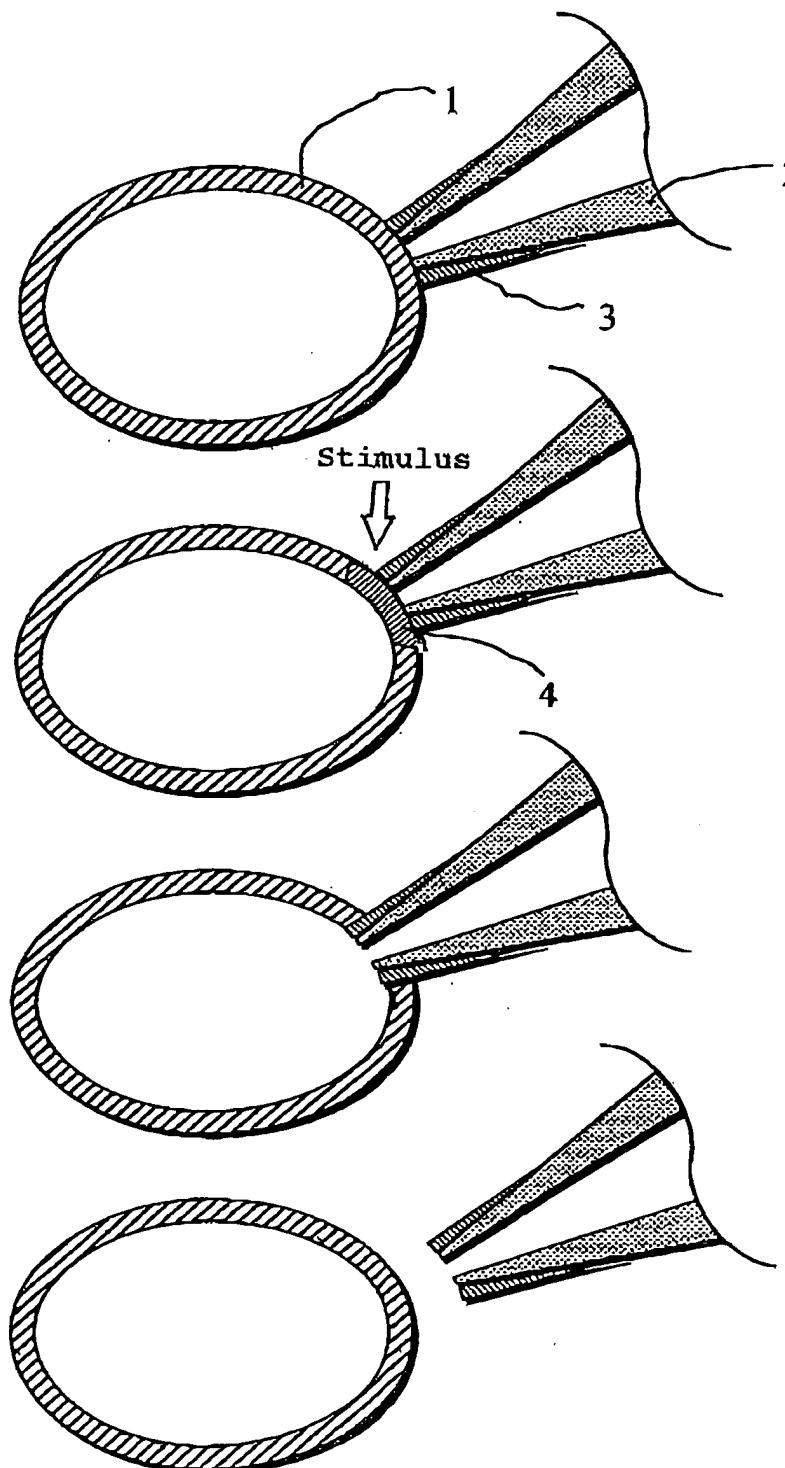
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Figure 2



Flow chart of membrane perforation technique

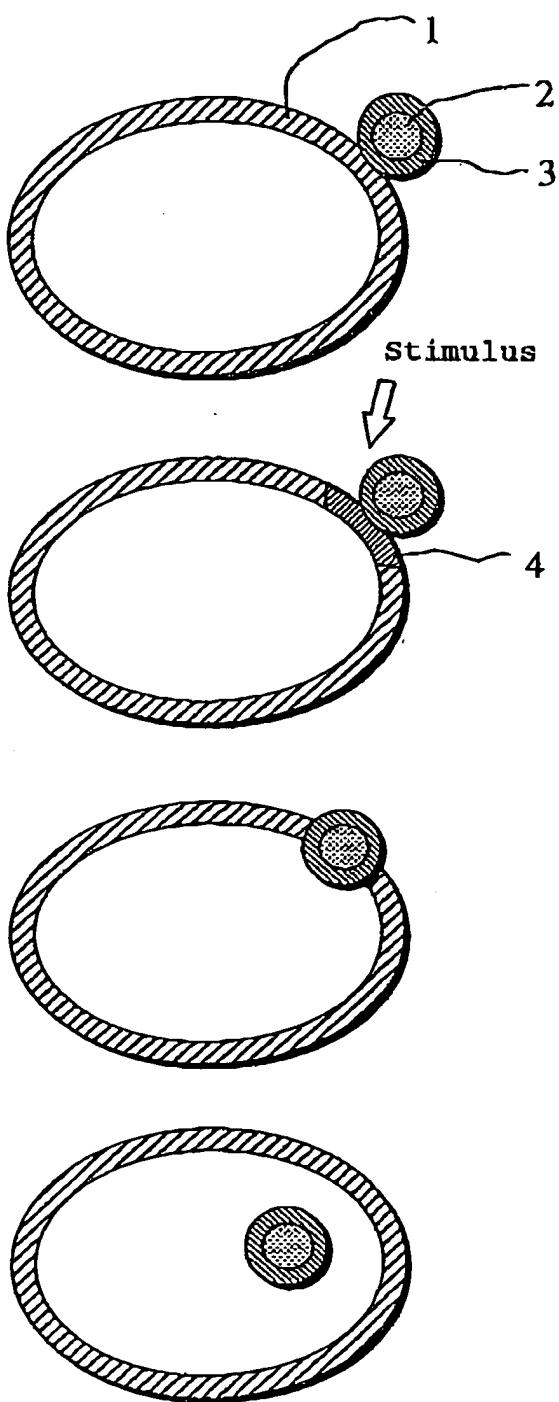
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**Figure 3****1 Membrane structure****2 Support****3 Membrane denaturation promoting portion****4 Denatured portion of membrane**

NO. 1054 F. 4554  
**09/623970**

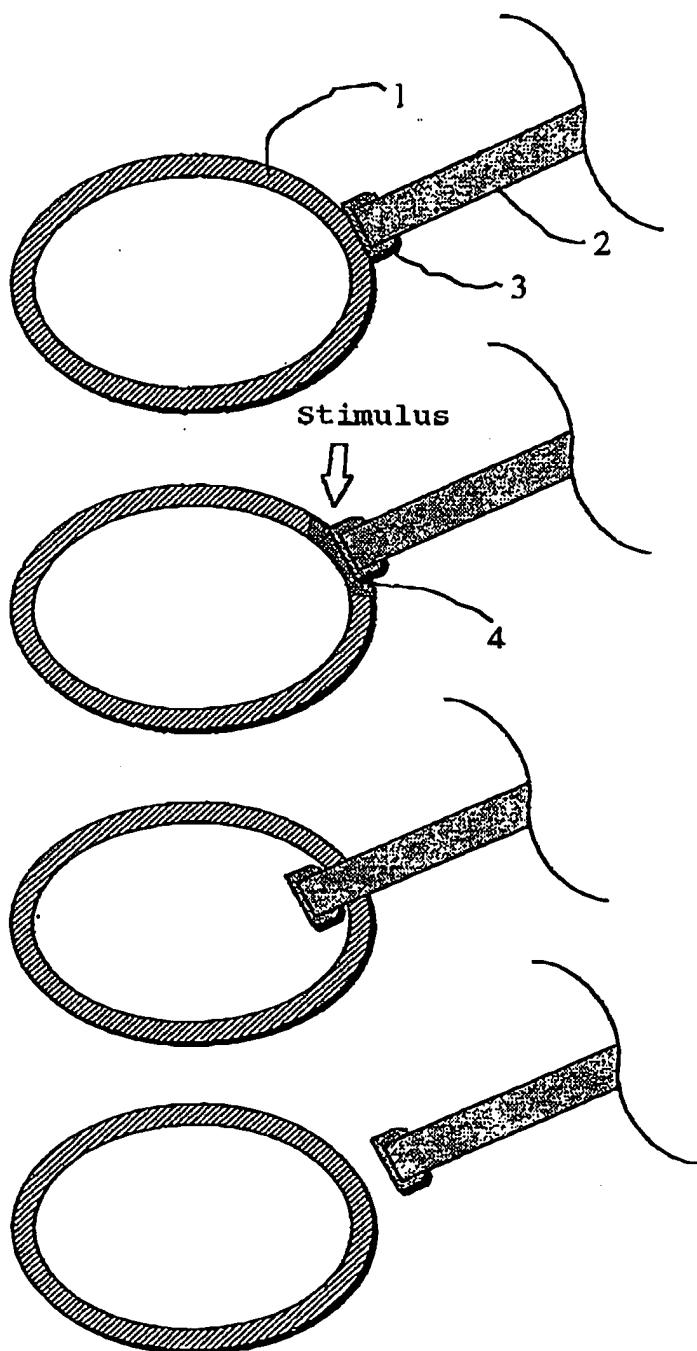
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**Figure 4**



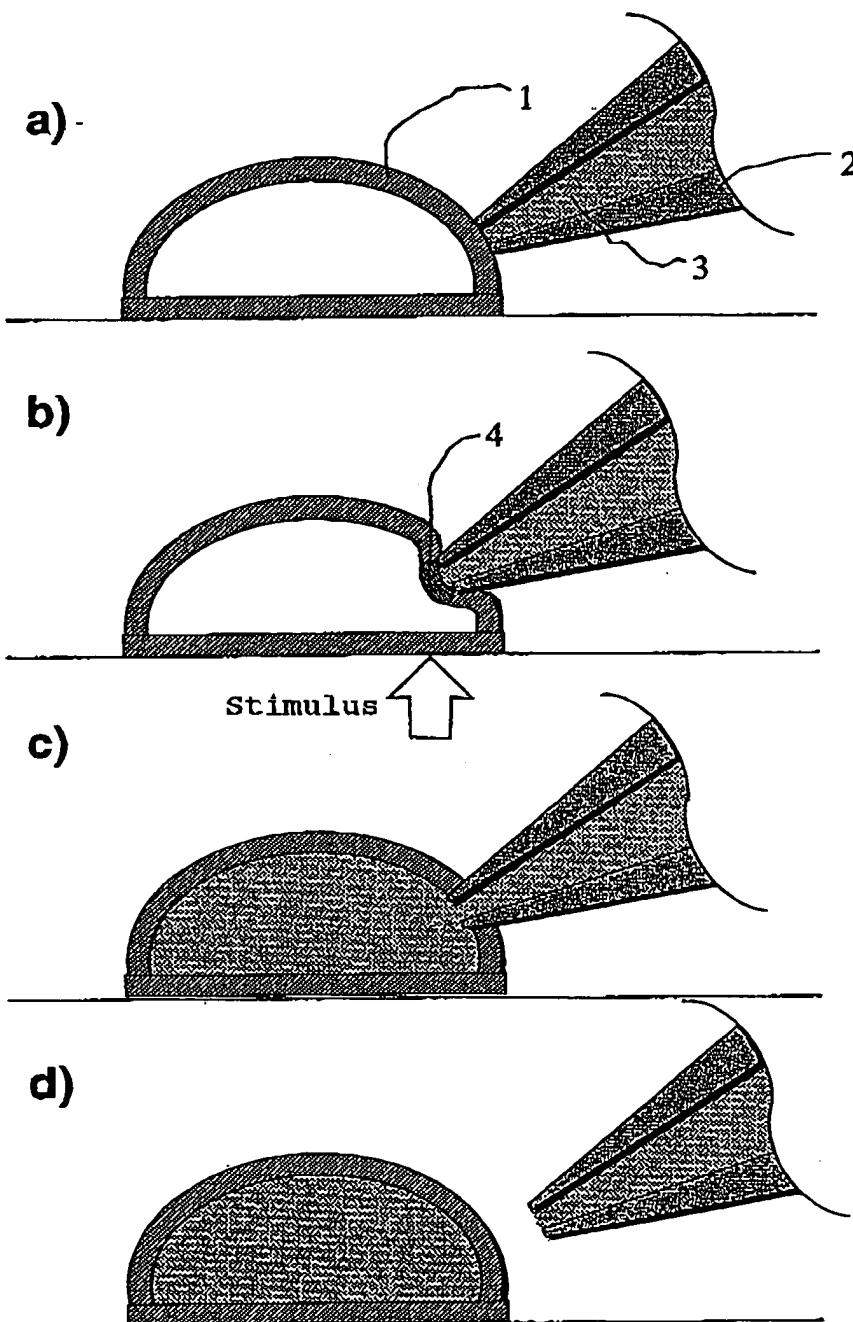
- 1 Membrane structure
  - 2 Support
  - 3 Membrane denaturation promoting portion
  - 4 Denatured portion of membrane

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**Figure 5****1 Membrane structure****2 Support****3 Membrane denaturation promoting portion****4 Denatured portion of membrane**

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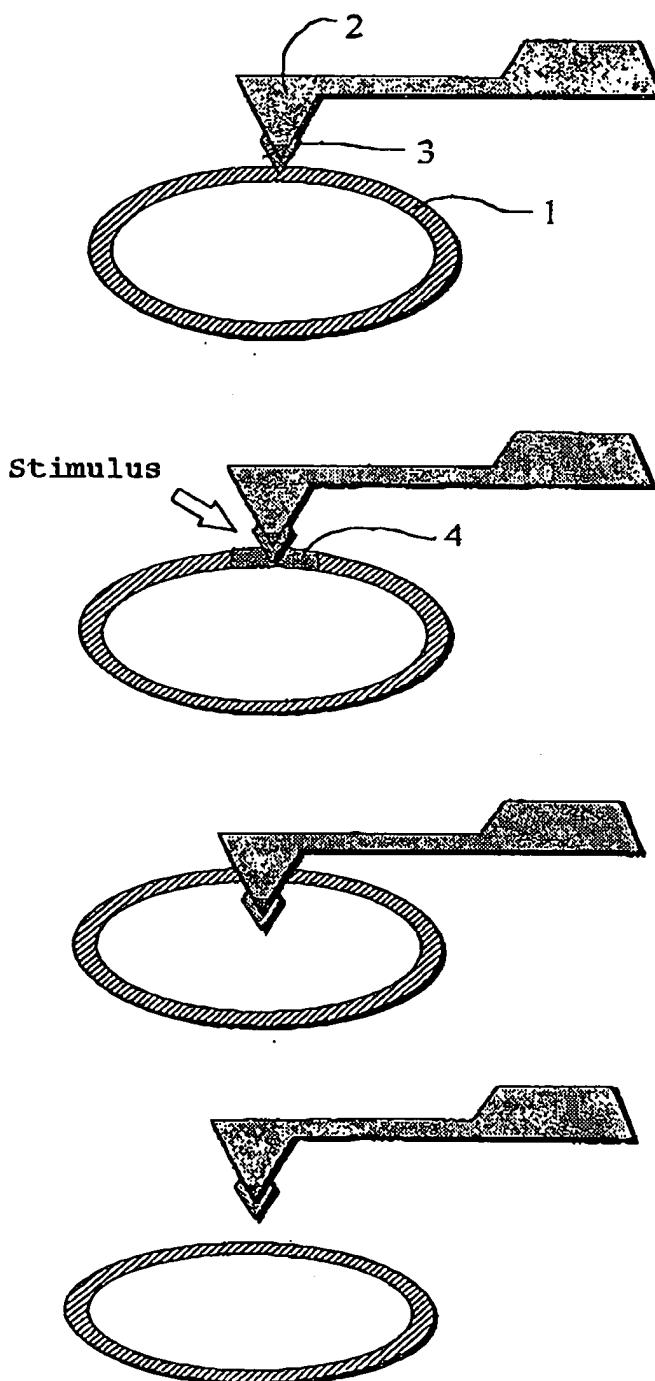
Figure 6



- 1 Membrane structure
- 2 Support
- 3 Liquid containing membrane denaturation promoter
- 4 Denatured portion of membrane

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Figure 7



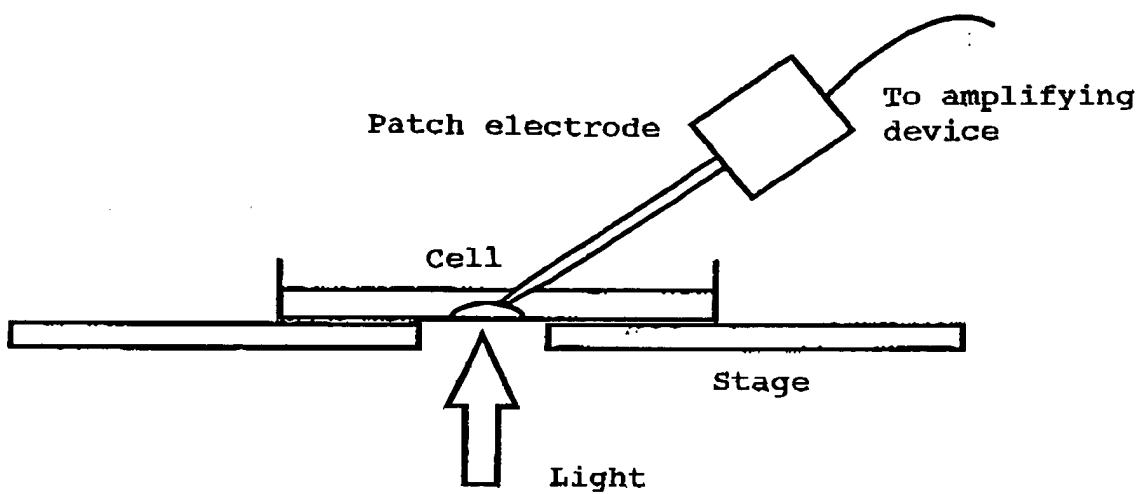
1 Membrane structure

2 Support

3 Membrane denaturation promoting portion

4 Denatured portion of membrane

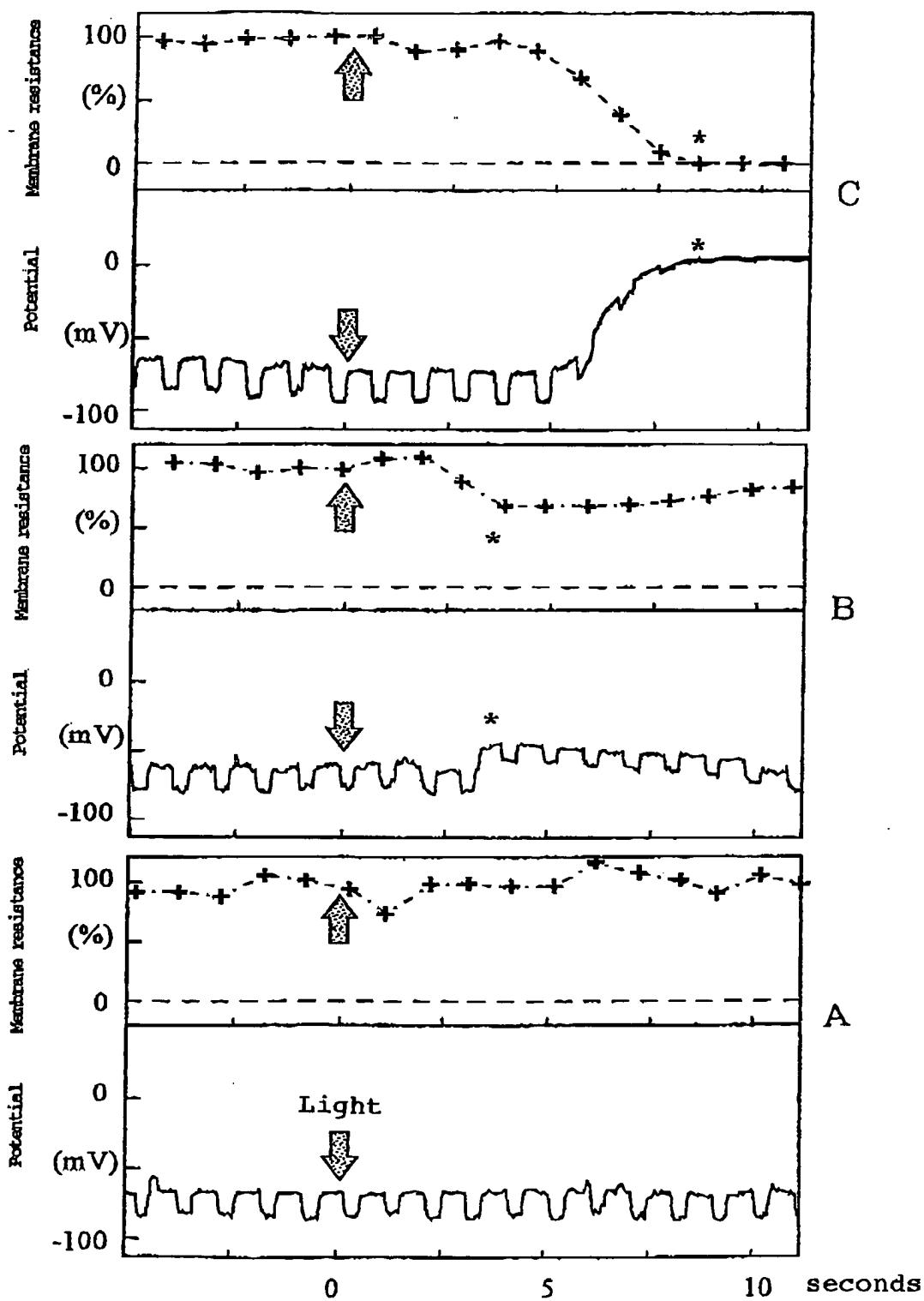
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**Figure 8**

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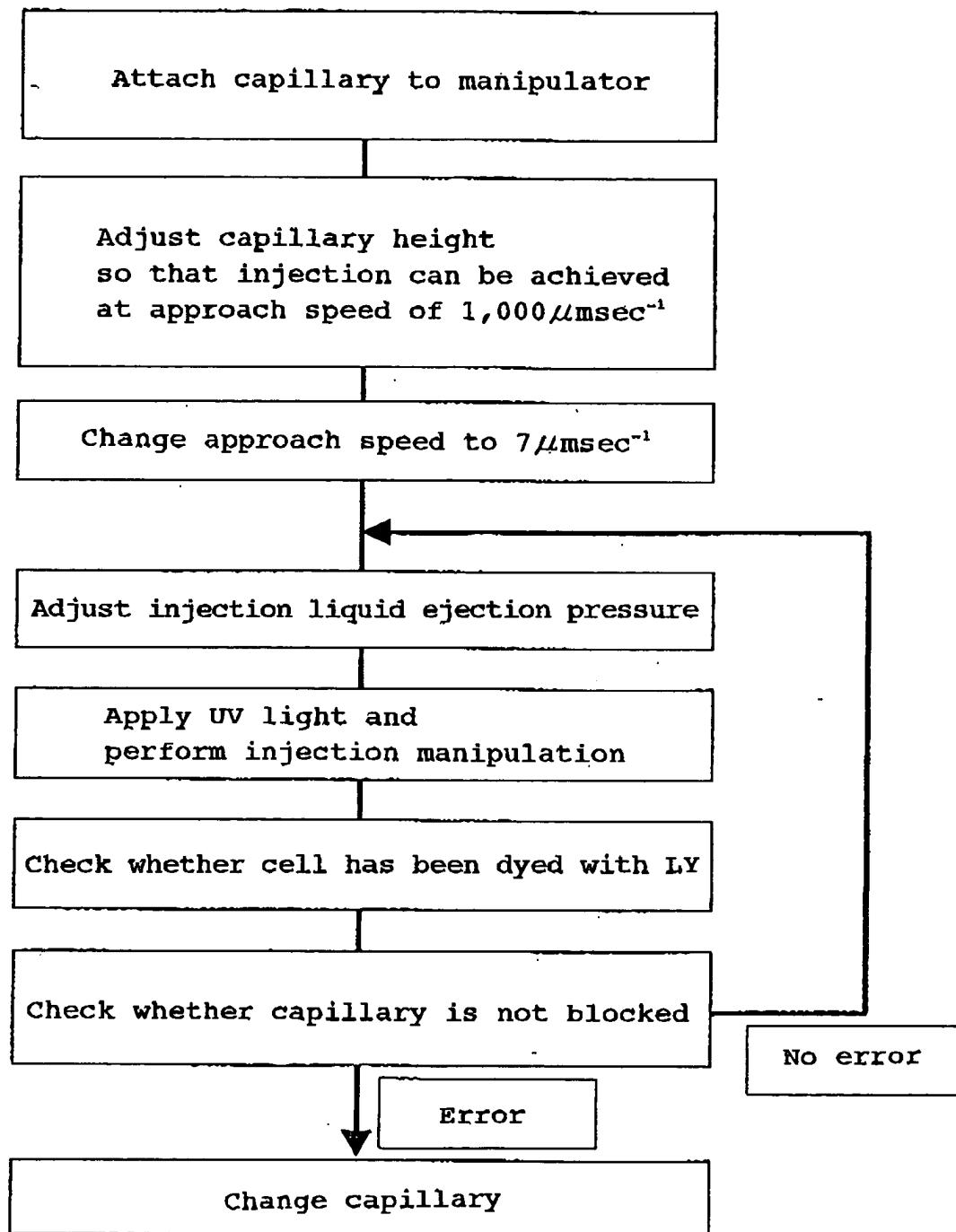
Figure 9



NO. 1054 P. 01/04  
09/623970

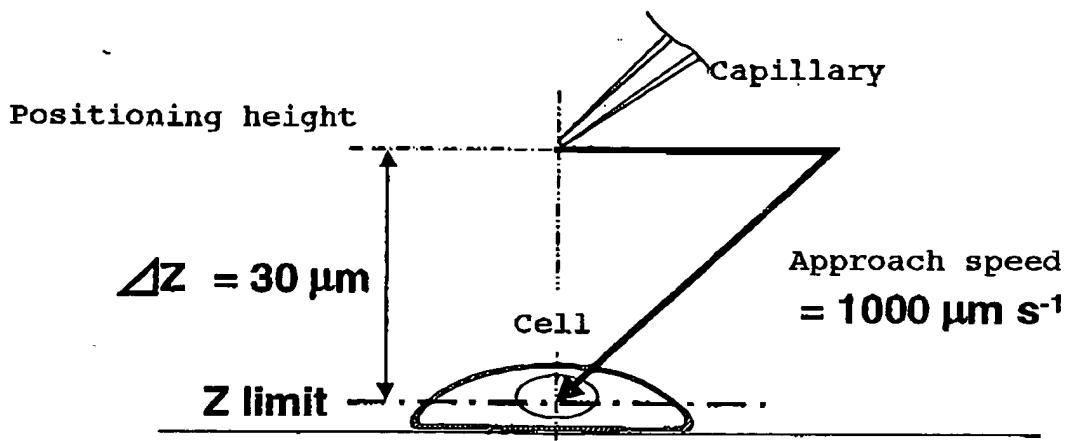
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Figure 10

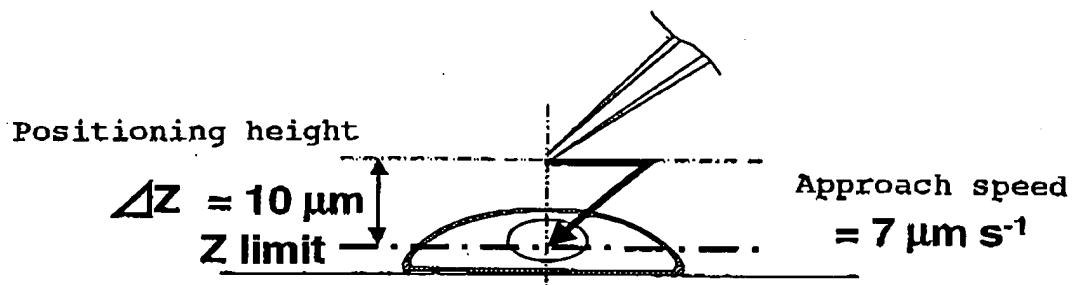


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Figure 11



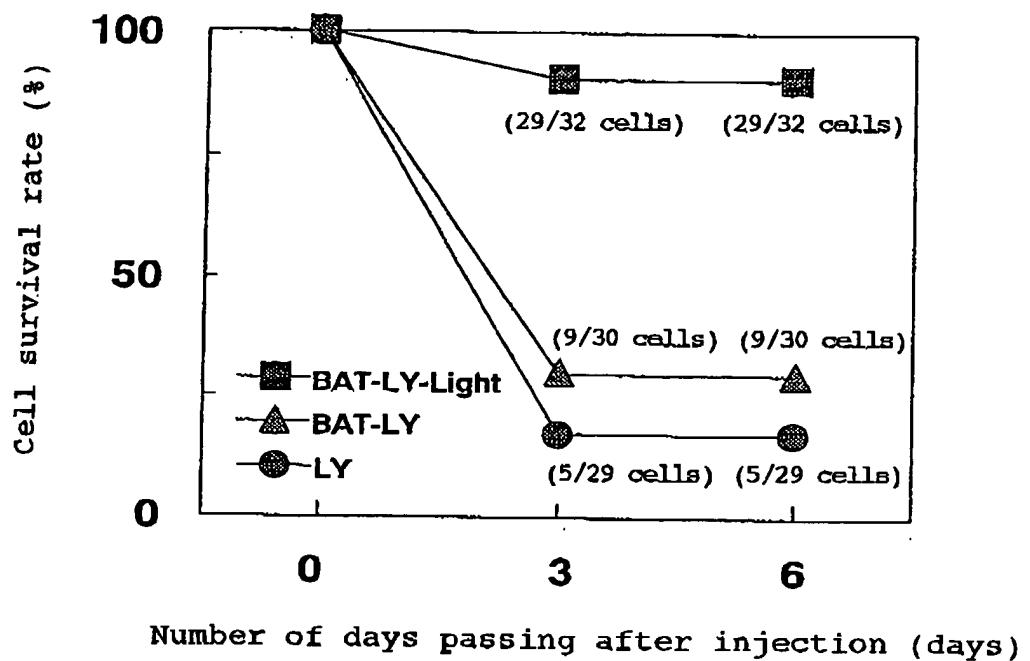
- 1) Execute normal microinjection to check whether Z limit has been appropriately set



- 2) Change settings such that approach is made at speed at which insertion is difficult, and evaluate effects of photosensitizing on injection efficiency

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Figure 12



BAT-LY-Light: LY+BAT containing liquid; photosensitizing injection; attempted on 32 cells

BAT-LY: LY+BAT containing liquid; normal injection; attempted on 30 cells

LY: LY containing liquid; normal injection; attempted on 29 cells

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Figure 13

